ACCESSION NR: AP4041854

8/0139/64/000/003/0139/0143

AUTHORS: Shalimova, K. V.; Travina, T. S.; Stopachinskiy, V. B.

TITLE: Concerning the nature of optical absorption of polycrystalline films of cadmium sulfide

SOURCE: IVUZ. Fizika, no. 3, 1964, 139-143

thin film, sublimated film, absorption spectrum, TOPIC TAGS: excitation spectrum, cadmium sulfide

ABSTRACT: This is a continuation of earlier work by some of the authors (K. V. Shalimova, I. V. Karpenko, NDVSh, Radiotekhnika i elektronika, v. 2, 233, 1958; K. V. Shalimova, T. S. Travina, L. L. Golik, DAN SSGR v. 138, 1, 1961). In the present work, new data are given for thin layers of cadmium sulfide containing different amounts of cadmium atoms in excess of stoichiometric composition. The methods of preparing the films and the test procedure are briefly

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described. The experiments on absorption spectra have shown that if... the layer is deposited from vapor of the initial substance in which there are no free cadmium atoms or else there is an excess of sulfur atoms, then the absorption of the compounds is very small in the visible region. Such layers were prepared by sublimation without dissociation of the sulfide. The strong absorption of the visible region of the spectrum observed in some cases can be greatly reduced by heating the samples in sulfur vapor. Results are described of the absorption spectra of the films, as functions of the medium in which the initial powder was sputtered, its sublimation temperature, and the heating of the substrate on which the sample was deposited. The optical density of the compounds obtained by simultaneous sublimation of cadmium sulfide and metallic cadmium is examined, and also the influence of heat treatment of the sputtered layers in sulfur vapor. On the basis of the obtained experimental data it is concluded that the absorption of cadmium sulfide in the visible or near ultraviolet regions has an impurity character. The investigations of films produced by different methods gave practically the same results,

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which can be summarized as follows. 1. Strong absorption of CdS in the visible and the near ultraviolet region is observed only in the samples activated with cadmium. 2. Two maxima are observed in the region of impurity absorption (320 and 420 millimicrons), if the substances are made on specially heated substrates. If the substrate is heated to 450C, the maxima are located at 380 and 490 millimicrons. This indicates that the cadmium impurity in the sulfide lattice has two excitation levels. 3. In the far ultraviolet the cadmium sulfide films have a strong absorption band with a maximum at 230 millimicrons which can be shown to be due to intrinsic absorption of the cadmium sulfide. The value of the absorption coefficient (10 -- 10 cm) indicates that the absorption is due to direct optical transitions of the electron film in the valence band to the conduction band. Consequently, the width of the forbidden band for the direct optical transitions should be 5.3 eV. Orig. art. hası 4 figuras.

ACCESSION NR: AP4041854

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute)

SUBMITTED: 05Jan63

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ACC NR. AP6030964 SOURCE CODE: UR/0181/66/008/000/2659/2063
ACC NR. AP6030964 SOURCE CODE: UR/0181/66/008/000/2659/2663 45 AUTHOR: Vavilov, V. S.; Stopachinskiy, V. B.; Chanbarisov, V. Sh. 3
ORG: Physics Institute im. P. N. Lebedev AN SUSII, Moscow (Fizieheskiy institut
AN SSSR)
TITLE: Oscillations in cadmium sulfide optical absorption arising in strong electrical fields
SOURCE: Fizika tverdogo tela, v. 8, no. 9, 1966, 2660-2663
TOPIC TAGS: optical absorption, absorption coefficient, cadmium, cadmium
sulfide 6
ABSTRACT: A study of CdS monocrystals ($\sim 10-20$ \sim in thickness), at the temperature of liquid nitrogen, reveals an oscillating component arising in a strong electric field, which is in spectral dependence on the coefficient of absorption. The period of oscillations T was found to be equal to $\frac{2\pi h}{eEd}$ (where E is field intensity and d
is the lattice constant in the direction of the field). If the scattering of carriers is taken into account, difficulties are encountered in explaining this phenomenon in
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STOPALOV, S.; MININZON, V.

Bottled gas for egricultural needs. IUn.tekh. 4 no.11:31-32
N 159.

(Liquefied petroleum gas)

STOPALOV, S.

Tructors go everywhere, IUn.tekh. 4 no.11:49-50 % 59.

(MIRA 13:4)

(Tractors)

Converting tractor engines to liquefied gas. Mekh. i elek. sots. 881 khoz. 19 no.2:25-29 61. (MIRA 14:3)

l. Vsesoyuznyy nauchno-issledovatel'skiy institut me'chanizatsii sel'skogo khozyaystva. (Tractors--Fuel systems) (Liquefied gases)

STOPALOV, S.G., inzh.

Increasing the operating speed of tractors and machinery.

Mekh. i elek. sots. sel'khoz. 20 no.3:62-63 '62. (MIRA 15:7)

(Tractors)

(Agricultural machinery)

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New type of krit "lealskin imitation" fur Carrio. Texat. grom.
20, no.8169-51 ag *64. (MIPA 17010)

1. Veccoyunnyy nauchno-fasledovatel*skiy institut trikotashnoy promysulennosti.

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UDST/Fern Sales-le. Cettle

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Mes Jour : Rof Zhur - Mall., No 8, 1958, No 35667

1 Stepanonka Ye., Jerohlyeve Yo. Author

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: Fettoning of Cettle on Festure and by Food Supplementation Title

(Nagul 1 otkoru krupnogo regntago skota)

Cria Fub : S. kh. Kezekhstene, 1957, No 5, 25-27

Abstract : In Wortern Kezakhsten, the fattening of cattle on pasture is combined with fettening in dry lot. After being postured in the fell for 50-60 days, the cettle were finished in dry let with roughege, succulent foods and concentrates; fattoning before posturing was also resorted to. The experience showed that resturing and fattening, such for 40 leys, and for young cottle, each for 30-100 days, is sufficient.

1 1/1 Cord

27

STOPANOVSKIY, A.N.

Melting pot of continuous action for turpentine. Gidroliz. i lesokhim. prom. 14 no.3:25-26 161. (MIRA 14:4)

1. Neyro-Rudyanskiy kanifolino-terpentinnyy zavod. (Turpentine)

STOPCHANSKAYA, A.G. [Stopchan'ska, A.H.]

Compound treatment of experimental brucellosis in albino mice with oxytetracycline, biomycin, levomycetin, brucellosis vaccine and specific gamma globulin. Mikrobiol. zhur. 25 no.51 50-58 163 (MIRA 16:12)

1. Nauchno- issledovatel'skiy institut epidemiologii i mikrobiologii im. Mechnikova, Olessa.

STOPCZYK, J.

Streptomycin therapy of 69 cases of tuberculosis in adults in the streptomycin therapy center of the pulmonary section of the Infectious hospital no.1 in Warsaw. Gruzlica, Warszawa 18 no.2:299-313 (CIML 20:7)

1. Of the Pulmonary Section of Infectious Hospital No. 1 in Warsaw (Head-Jan Stopczyk, M.D.).

STOPCZYK, Jan; SOSNOWSKI, Waclaw: ROZNIEWSKI, Jerzy

Corticotherapy of acute and subscute pulmonary tuberculosis and exudative pleurisy. Gruslica 29 no.2:125-137 F 161.

1. Z Kliniki Ftysjatrycznej Akademii Medycznej w Lodzi Kierownik: prof. dr med. J. Stopczyk.

(TUBERCULOSIS PULMONARY ther) (CORTICOTROPIN ther) (ADREVAL CORTEX HORMONES ther)

STCPCZYK, J.

Polish Society for the Study of Tuberculosis in the Six Year Plan. Oruslica 20:6 Suppl. 2:41-45 1952 (CLML 24:2)

1. Varsav.

STOPCZYK, J.

Antibiotics and collapse therapy of pulsonary tuberculesis. Gruslica 20:6 Suppl. 2:109-113 1952. (CIML 24:2)

1. Warsaw.

STOPCZYK, Jan

Plan of treatment of patients, with pulmonary tuberculosis. Gruzlica 23 no.3:161-171 Mar 155.

 Z Kliniki Ftysjatrycsnej A.M. w Lodsi. Kierownik: prof.dr.
 J. Stopczyk, Warszawa, Al. Jerosolinskie 81. (TUBERCULOSIS, PULMOMARY, therapy plan of treatment)

STC-GRAW, J.. Prof; MADMIMISSKI, A., Prof.

Pronchoscopic aspiration in the treatment of post-hemorrhagic atelectasis. Gurzlica 25 no.11:901-905 Nov 57.

1. Z Kliniki Ftzjatrycznej (for Stopczyk) i z Kliniki Otolaryngologiczne, A. M. w Lodzi (for Radziminski).

(ATELECTASIS, ther.

bronchoscopy in post-hemorrh. stelectasis (Pol))

(BRONGHOSCOPY, in var. dis.

ther. of post-hemorrh. atelectasis (Pol))

STOPCZYK, Jan; KUCZBORSKI, Stanislaw; SZYMANSKI, Andrzej

Results of the treatment of tuberculous cerebrospinal meningitis.
Gruslica 27 no.8:921-930 S '59.

1. Z Kliniki Ftysjatrycznej A.M. w Lodzi. Kierownik: prof.dr med.
J. Stopczyk.

(TUBERCULOSIS MENINGRAL ther.)

STOPCZYK, Jan; JUCHNIEWICZ, Mieczyslaw

History of the Tuberculosis Control Act in Poland. Gruslica 28 no.11:849-862 N 160.

(TUBERCULOSIS legislation)

STOPCZYK, Jani KUCZRORSKI, Stanielaw; PRUSZYESKA, Stefania; STRUPCZEWSKA, Halina; SZYMANSKI, Andrzej; WOSZCZAK, Wieslawa

Prognosis of pulmonary tuberculosis in adults in established IMH resistance. Gruzlica 28 no.12:969-977 D *60.

1. Z Kliniki Ptyzjatrycznej A.M. w Lodzi, Kierownik prof. dr med. J.Stopczyk. (TUBERCULOSIS PULMONARY diag)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653410011-9"

の (1. vo.), Moseysanu, PAlef, Juni do. . . th, Jun; J. Pfaki, Marian
Auticaterial therapy in the glan for tuberculents control in
Polanu, Gruzlica 32 no.8:60~614 Ag feu.

JAKUBOWSKI, A.; KOSSOWICZ, H.; PATZEROWA, T.; STOPCZYK, K.

/ case of congenital texeplasmesis. Pediat pel 36 no.1:79-87 161.

1. Z Oddzialu Dzieciecege Centr. Szpitala Klin. MSW w Warszawie Ordynater: pref. dr med. T. Chrapewicki z Zakaladu Radielegii Centr. Szpitaa Klin. MSW w Warszawie Kierewnik: pref. dr med. T. Trzetrzewinski i z Oddzialu Okulistycznege Centr. Szpitala MSW w Warszawie Ordynater: dr med. S. Festing.

(TOXOPLASMOSIS in inf & child) (INFANT NEWBORN dis)

ASKANAS, Edinlaw; OARBER, Mieczyslaw; LUKASIK, Elzbieta; STOPCZYK, Moriusz; WAJSZCZUK, Waldemar

Commarison of stereocardiogram with spatial vectogram. Polski tygod. leb. 12 no.35:1341-1344-26 Aug 57.

1. Z IV Kliniki Chrob Wewnstrznych A. M. w Warszawie; kierownik Kliniki: prof. Z. Askanaa.

(VECTCCARDIOGRAPHY.

comparison of stereocardiogram with spatial vectogram (Pol))

ASKANAS, Zdminfmw, GARBER, Hiechysfaw, LUKASIK, Blzbieta, WAJSZCZUK, Weldener, STOPCZYK, Mariusz

Stereographic changes following commissuratomy. Polski tygod. lek. 13 no. 15:541-546 14 Apr 58

1. (Z IV Kliniki Chorob Wewnetranych A.M. w Marazavie; kierowniki prof. dr med. Zdriejaw Askanas). Adres: ul. Oceki 6, IV Klin.Chor. Wewn. A.M.

(COMMISSUROTOMY,
poston, spatial vectoreardingraphy (Pol))
(VECTORGARDIOGRAPHY,
spatial, after commissurotomy (Pol))

STOPCZYK, Mariugz; Kokczak, Leonard; WAJSZCZUK, Waldenar

Possibility of the application of high tension in spatial vectocardiography. Postepy hig. med. dosw. 13 no.3:329-333 1959 (VECTOCARDIOGRAPHY)

ASKAPAS, Z.; STOPCZYK, M.; LUKASIK, E.; WAJSZCZUK, W.

On the problem of diagnostic discrepancies of electrocardiograms and vectorcardiograms. Kardiol. polska 4 no.4:261-272 '61.

1. Z IV Kliniki Chorob Wewnetrznych AH w Warszawie Kierownik: prof. dr Z. Askanas. (ELECTROCARDIOGRAPHY) (VECTORCARDIOGRAPHY)

ASKANAS, Z.; LUKASIK, E.; STASZEWSKA, J.; STOPCZYK, H.; WAJFZCZUK, W.; przy wspołudziale matematycznym SURY, J.

Vectorcardiographic analysis of the initial segment of the ventricular complex. Kardiol. Pol. 5 no.2:77-86 62.

1. Z IV Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik: prof. dr Z. Askanas.

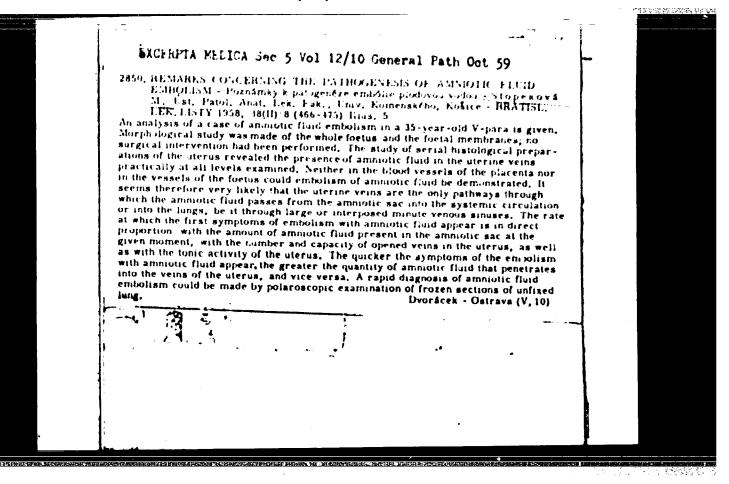
(VECTORCARDIOGRAPHY)

"Application of radioismo on in the 1.18."

Stranger & Comme

Article A. Milleville, . rome, Czechool makia, Vol. 5, N. 2, dat. ary 1957.

Northly Mint of West Moromean Accessions (EAL). W. Ob. 7, No. 7, Lepterb r 1989. Contactifie:



CERMANOVA, M.; STOPEKOVA, M.

2 cases of melanoblastoms of the choroid. Cesk. ofth. 16 no.1: 74-77 Ja '60

1. Klinika pre ocne choroby lek. fak. U.P.J. Safarika v Kosiciach, prednosta prof. MUDr. J. Pajtas Ustav patologickej anatomie lek. fak. U. P. J. Safarika v Kosiciach, prednosta doc. MUDr. I. Kutlik. (CHOROID, neopl.)
(MELANOMA case reports)

BARDOS, L.; GORSON, A.; STOPEKOVA, M.

Congenital lobar emphysema. Bratisl. Lek. Listy 42 no.3:180-187

1. Z Chirurgickej kliniky Univerzity P.J. Saferika v Kosiciach, prednosta prof. MUDr. J. Knazovicky, z Detskej kliniky Univerzity P.J. Safarika v Kosiciach, prednosta prof. MUDr. F. Demant, a z Ustavu patologickej anatomie Univerzity P.J. Safarika v Kosiciach, prednosta doc. MUDr. I. Kutlik.

(PULMONARY EMPHYSEMA) (INFANT NEWBORN DISEASES)

STOPICHTY, S.G., inch.

Ascertaining the optimum plan variant for making up single-group special-destination trains. Vest.TSNII MPS 18 no.4: 10-23 Je *50. (MIRA 12:10)

STOPICHEV, S.G., inzh.; KHUAN-DA [Huang K'uang-ta], inzh.

Une of a computer in devising a plan for making up trains.

Zhel.-dor.transp. 41 no.9:68-71 S '59. (MIRA 19:2)

(Railroads--Making up trains)

STOPICHEY, S.G., inzh.; KHUAN KUAN-DA [Huang K'uang-ta], inzh.

Using automatic computing machines for calculations in the preparation of plans for making-up trains. Sbor.LIIZHT no.170:109-139 160. (MIRA 13:8)

1. Prepodavatel' khabarovskogo instituta zheleznodorozhnogo transporta (for Stopichev). 2. Aspirant Leningradskogo zheleznodorozhnogo instituta (for Khuan Kuan-da).

(Calculating machines)

(Railroads--Making up trains)

PLAN OF TRAIN FORMATION BY THE USE OF ELECTRONIC DIGITAL COMPUTER ... MOSCOW, 1961. (MPS-883R [MINISTERY OF HAIL-WAYS USSR), VAL [ALL-UNION SCI RES INST] OF HAIL-TRANSPORT). (KL, 3-61, 220).

265

inzh. (Khabarovsk); RODIK, V.V., inzh. (Khabarovsk)

Using the electronic digital computer for the computation of plans for making up trains, Zhel. dor. transp. 45 no.3174-76 Mr '63. (MIRA 16:6)

(Railroads—Making up trains)
(Ural computer)

STOPINSKI, W.

Researches using the method of electric resistance in connection with the construction of electric-power installations. p. 121.

PREZEDIAD GEOLOGICZNY. Wydawnictwa Geologiczne. Warszawa, Poland, Vol. 7, No. 3, March, 1950.

Monthly List of East European Accessions (EFAI), LC, Vol. 8, No. 9, September, 1959. Uncl.

D.GHOWGEI, Kraysatof; STCPINGEI, Wojcinch

Experiences in the use of electric resistance methods in archeological researches of early medieval fortific places. Proegl mention 6 no. 3: 169-183 '61.

- 1. Institut Historii Kultury Materialnej, Polska akademia Nauk, Warazawa (for Daorowski).
- 2. Zaklad Geofizyki, Polska akademia Nauk, Warszawa (for Stepinski).

KOWALCZUK, Jersy; STOPKA, Tadeusz

The magnetic method applied in archaeological research. Przegl geol 9 no.10:540-543 61.

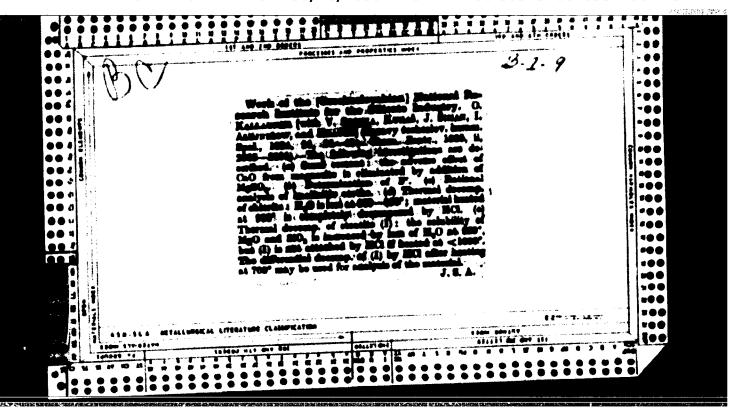
1. Akademia Gorniczo-Hutnicsa.

(Poland-Archaeology) (Poland-Magnetic measurements)

KCWALCIUE, Impage wIO(EE, Tadeure comercie)

Magnetic method of geographical research on the archaeological

vestiges in the Gory Swietokrayskie Mruntein region of ancient metallurgy. Kwart hist Rult mater 12 no.4:671-679 164.

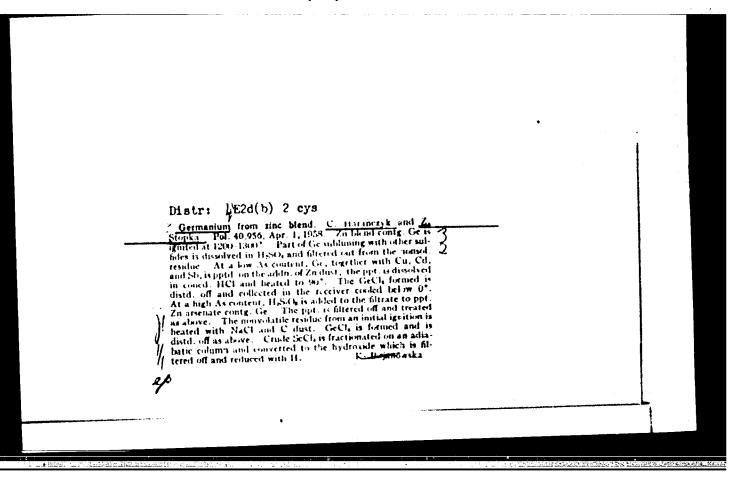


STOPKA, VIKTOR				
•	Properties of Sorel coments. TOO STOPKA Substitute A, \$ [10] product solutionships between a measure content of Sorel coments (amorphous) microscrystalines mag troome of Mg carlomate, Mg hyd velocity increases with rose, and tent magnesite and depends on the trooperate MgCly solution. The temperate pends on the length of atology of takes place slowly. Calcined mag ture maximum reach it faster and the water exchange with the currents water exchange with the currents are in part tower than the tendency to swell. With concentratively and the solution of Sorel coment damp, my rescues. Addition of Mg solitate MgCh solution of 22 life does not ing line in swelling Ca sulfate) a Serel coment is map oned.	433 30 (1984) The monadom and thing, withing constantly, and so with findification do of freed traville, and line. The setting reurse is characterate for each the semperature of calcustion, saints, and consentration of the semperature of calcustion, saints, and consentration of the semperature of the semperature of the maximum obtainable de of the maximum obtainable de of the maximum obtainable de or faster. The rapidity of socialing atmosphere influences also that it is a maximum to the library values for makes the skes it swell, and forms efforce to the transference of a semilar and forms efforce to the contraction of the transference of the semilar contraction of the		
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STOFKA, V.

"Contribution to Comrade Rusicka's article: 'Causes and Methods of Removing Deficiencies in the Froduction of Tiles.'" (p. 139). STAVIVO (Ministeratvo stavebnich hmot) Praha, Vol 32, No 4, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954



USSR / Ferestry. Forest Crops.

K-3

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24900.

Author : Stopkan', V. V.

:-Not given. : Improvement of the Growth of Young Pine Plantings Inst

Title on Old Arable Lands.

Orig Pub: Biul. nauchno-tekhn. inform. Ukr. n.-i. in-t lesn.

kh-va i agrolesomelior., 1957, No 3-4, 28-30.

Abstract: No abstract.

Card 1/1

57614 AN.

Stopkan', V.V. AUTHOR:

21-1-26/26

TITLE:

Effect of Organic and Mineral Fertilizers on the Growth of Pine Cultures (Vliyaniye organo-mineral'nykh udobreniy na rost sosnovykh kul'tur)

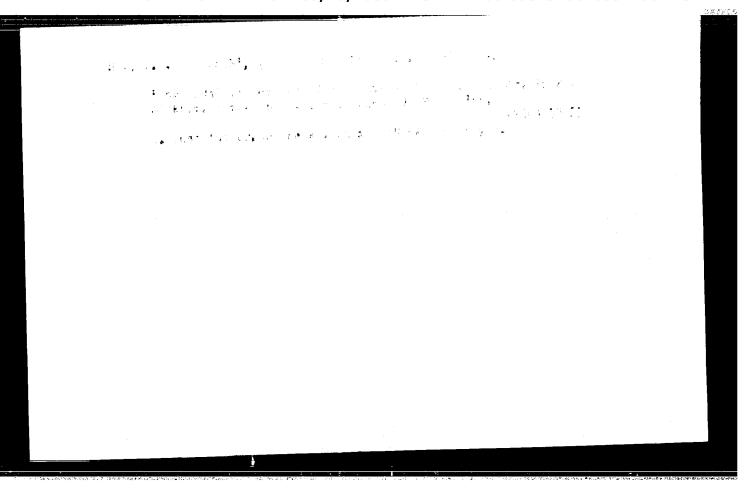
PERIODICAL: Dopovidi Akademii Nauk Ukrains'koi RSR, 1958, # 1, pp 111-113 (USSR)

ABSTRACT

The author describes the results of investigations carried out by the Institute of Forestry (Instytut lisu) of the Ukrainian Academy of Sciences in the Volyn' region of the Ukraine. The results show the effect of organic and mineral fertilizers on the growth of seven-year-old pines on former arable soil under conditions of the Foles'ye. It has been proved that the principal cause of the poor growth and condition of the pine on former arable sandy soil was the paucity of soil nutrients, especially nitrogen. The application of fertilizers (compost, marl, ammonium nitrate) was found to be highly effective, as is evident from the table and graphs included in the article. The article contains 1 table, 2 graphs and 1 Russian refer-

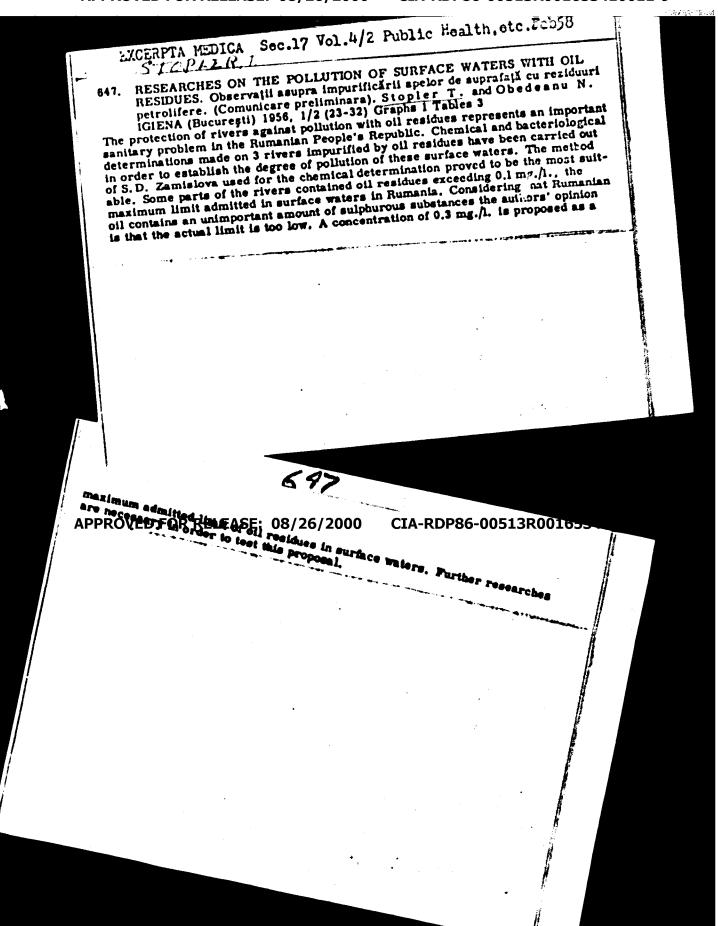
Card 1/2

ence.



Standardization in the period of the first Five-Year Plan, p. 55, EHLAR A KERMUK (Ministerative lehkeho promyslu) Fraha, Vol. 1, No. 3, Mar. 1954

SAURCE: East European Accessions List (PEAL) Library of Congress, Vol. 4, No. 12, December 1955



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Country: Rumania

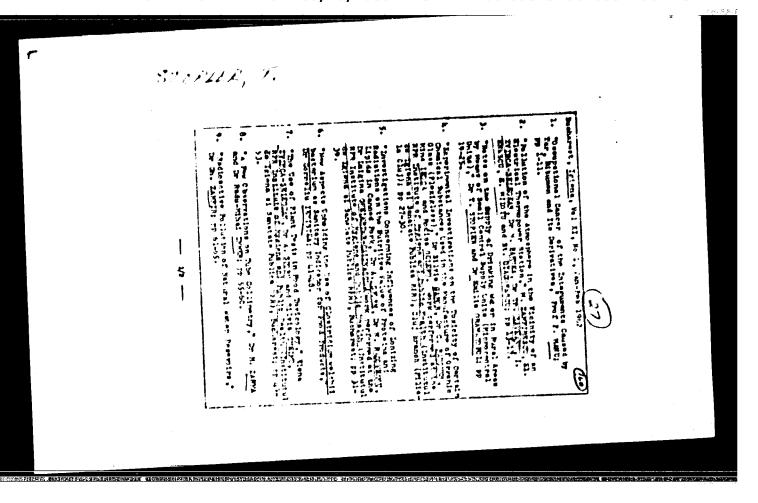
Academic Degrees: -Dr.-

Affiliation: -not given-

Source: Bucharest, Igiena, Vol IX, No 4, Sep-Oct 1961, pp 363-370.

Data: "Membranous Filters and Their Use in the Sanitation and Bacteriology of Water."

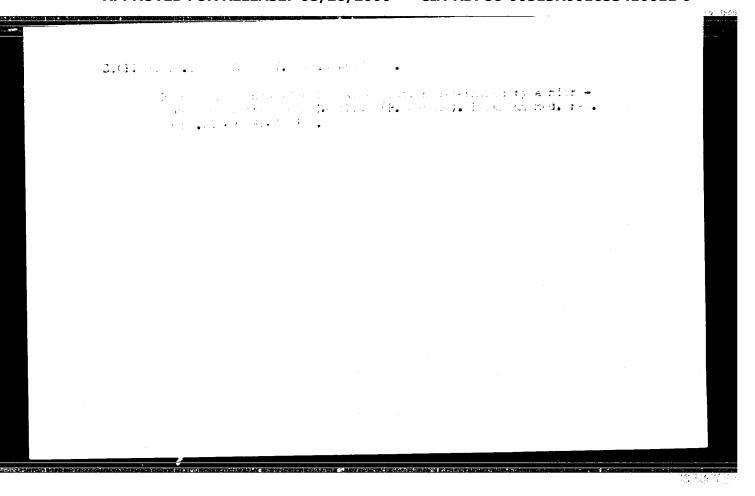
ere 901645 //



STOPLER, Tr., dr.; CAMBESCU, V.; dr.; VOICULESCU, M., prof.

Bronchopneumonia with fatal evolution caused by a microorganism of the Bacillus species (B. cereus). Microbiologia (Bucur) 9 no.5±457-460 S-0 *64

1. Lucrare efectuata in Clinica I de boli contagicase "Colentina", Bucuresti (director: prof. M. Voiculescu).



RUMANIA

514.777:215.221.626

STOPLER, Tr., Dr. GRAMATOPOL, Emilia, Dr., and ROSU, Ileana, Medical Assistant. Work performed at the Institute of Hygiene (Institutul de Igiena), Eucharest.

"Presence of Coagulaso-Positive Staphylococci in Water from a Swimming Pool."

Eucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 3, May-Jun 66, pp 273-279.

Abstract [Authors' English summary modified]: On the occasion of a study of a group of 7 to 14-year old schoolchildren who regularly used a particular swimming pool, the authors found that 51.3 percent of the 193 children tested were healthy carriers of coagulaso-positive staphylococci. The authors suggest that this very high percentage is due to the water in the pool, where there is an increased density of such germs whenever the residual chlorine falls to below 0.1 milligrams per liter.

Includes 7 tables and 7 references, of which 2 Rumanian and 5 English-language. -- Manuscript submitted 26 September 1964.

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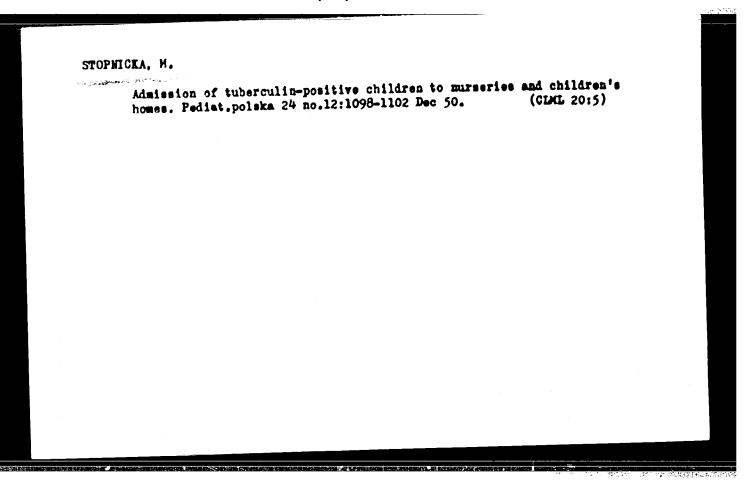
STRINGER M. Eredskerne sxczepienie cspy "Intracutanecus vaccination against small;cx" Feliatria Polska, Garsaw 1949, 23/1 (44-51) Tables I Ec: Cedical Microbiology and Hugiene, Section IV, Vol. 3, No. 1-6

STOPHICKA, M.

Notes on tuberculin tests. Pediat.polska 23 no.7-8:735-738

N-D 149.

(CIML 19:2)



DANIELEFICZ, J.; GLINSKA, Z.; GORALOWNA, M.; MEISLOWA, P.; STOPHICKA, M.

Observations on complications following oral administration of BCG vaccine. Pediat. polska 27 no. 5:507-528 May 1952. (CLML 22:4)

ZAPASNIK-KOBIERSKA, Halina; STOPNICKA, Marta Incidence of tuberculosis in children vaccinated with BOO. (EEAL 3:8) Pediat pol 29 no.1:7-20 Ja '54. 1. Z Centralnej Poradni Przeciwgrusliczej w Waresawie, Kierownikidr med. J. Gackowski. (BCG VACCIMATION, *incidence of tuberc. in vacc. child.) (TUBERCULOSIS, in infant and child, *after BCG vacc.)

ZAPASHIK-KOTIERSKA. Halina; STOPNICKA, Marta, Marszawa, Pasteura 10.

Comparison of RCG vaccination with lyophilized preparations and of vaccination with preparations from BCG strains of various origins. Pediat. Poliska 31 no.6:627-637 June 56.

(BCG VACCINATION, statistics, results of vacc. with lyophilized vaccines & vaccines prep. from various strains (Pol))

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MISIEWICZ, Janina i wspolpracownicy: RATYCKI, W.; BURACZEWSKI, O.; GACKOWSKI, J.; GURTAT, B.; KOBIERSKA, H.; KOZAKOW, H.; KRZYSZKOWSKA, A.; KURYIOWICZ, W.; KUZNIECOW, A.; NULLER, H.; RAFINSKI, T.; ROMANOWSKA, I.; SITHK, K.; STOPHICKA; M.; SZCZEPANAKI, W.; SZUSTROWA, J.; WIERZBOWSKA, M.;

Early results of vaccination against tuberculosis with vaccines prepared from four different BCO strains. I. Gruslica 25 no.3:243-250 Mar 57.

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1. Z Instytutu Gruzlicy w Warszawie Dyrektor: prof. dr J. Misiewicz. Adres: Warszawa, ul Plocka 26.
(BCG VACCINATION, statist.
comparison of 4 strains (Pol))

STOPHICIA, Marta; IWANOWA, Ojcumila

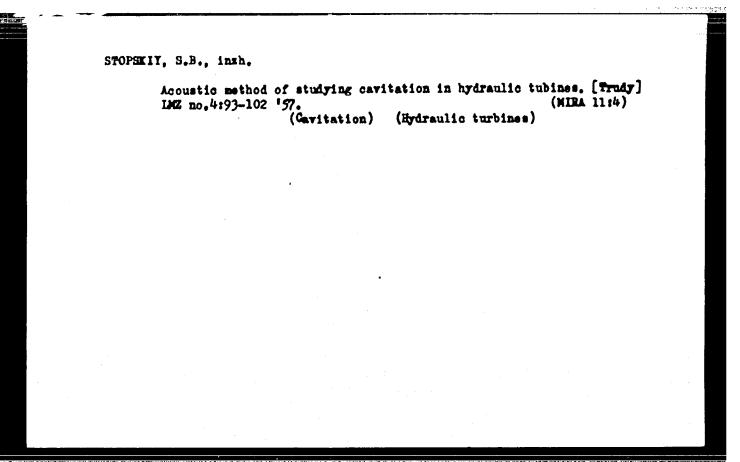
Attempted evaluation of the vaccination of newborn infants with a vaccine from Brazilian sub-strain according to observations of children in a closed institution. Pediat.polska 34 no.10: 1295-1302 0 159.

1. Z Panstwowego Domm Malych Dsieci w Warszawie. Dyrektor: dr.med.
M. Stopnicka; z Centralnej Poradni Przeciwgrusliczej w Warszawie.
Dyrektor: dr.med. J. Gackowski.
(BCG VACCIMATION statist.)
(INFANT NEWBORN immunol.)

LACKI, Mikolaj; STOPNICKA, Marta; SZTACHELSKA, Irena

Analysis of the social environment of children from mirsery homes. Pediat, polska 35 no.4:449-460 Ap 160.

1. Z Panatwowego Domu Malyoh Dzieci w Warszawie, Dyrektor: dr med. M. Stopnicka; i z Instytutu Matki i Dziecka, Dyrektor: prof. dr med. F. Groer. (CHILD WELFARE) (SOCIAL CONDITIONS)



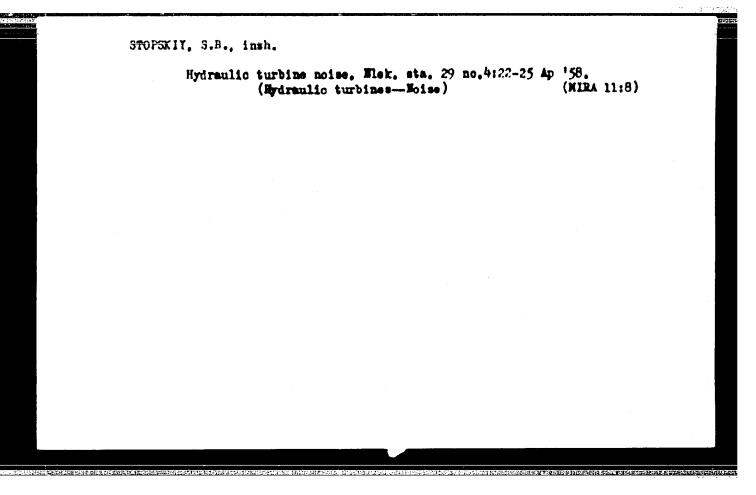
STOPSKIY, S.B., inzhener.

Acoustical method of discovering cavitation in operating hydraulic turbines. Blek.sta.28 no.8:15-20 Ag '57. (MIRA 10:10) (Hydraulic turbines)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653410011-9"

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Effect of perturbation of a flow on cavitation in hydraulic turbines. Energonashinostrosnie 4 no.3:24-27 Mr '58. (MIRA 11:5) (Cavitation)



STOPSKIY, S. B. Cand Tech Sci -- (diss) "Spectrum and acoustical method of the study of hydroturbine cavitation." Len, 1959. 11 pp with graphs (Min of Higher Education USSR. Len Polytechnic Inst im W. I. Kalinin), 150 copies (KL, 50-59, 127)

-44-

28(5)

AUTHOR:

Stopskiy, S. B.

307/32-25-6-45/53

TITLE:

Reasurement of Deformation on Rotating Devices With Increased Accuracy (Izmereniye deformatsii na vrashchayushchikhsya

ustroystvakh s povyshemnoy technost'yu)

PERIODICAL:

Zavodskaya Latoratoriya, 1959, Vol 25, Nr 6, pp 755-756 (USSR)

ABSTRACT:

A new wiring diagram for current collectors (Fig) for the purpose of eliminating errors of measurement occurring with current collectors is described here. This new circuit permits the use of current collectors with variable transition resistance, 100 times higher than in ordinary ones (up to 50 ohm). The current used for the bridge supply as well as the transient current are on two different current collector rings and are outside the circuit of the galvanometer. A comparison of the accuracy of measurement of the diagram described with that hitherto employed shows that an error of measurement of 200% according to the old diagram amounts to only 5% when measured by the new diagram. Current collectors consisting of seven rings with graphite contact brushes were used

for the experiments. There is 1 figure.

ASSOCIATION:

Card 1/1

Leningradskiy metallurgicheskiy zavod (Leningrad Metallurgical Plant)

3/115/60/000/010/009/028 B021/B058

AUTHOR:

Stopskiy, S. B.

TITLE:

Highly Sensitive Pressure Pickups Made of Organic Glass 5

PERIODICAL

Izmeritel'naya tekhnika, 1960. No. 10, p. 35

TEXT: The author describes a tension-type, diaphragm-operated pickup designed by him for measuring pressure in liquids and in pulsating streams. These instruments are used primarily for measuring water pressures. Two working pickups are glued on to the diaphragm and two compensation pickups on to the basis of the casing by means of acetone-celluloid glue No. 11. The shell with the casing is glued together by means of a 2-3% solution of organic glass in dichloro ethane. Case and diaphragm are made of organic glass, the modulus of elasticity of which is 210 kg.cm/cm². No seeping through of water was observed in such pickups. For measuring small values of pressure and pulsation in streams on small surfaces, a cap of organic glass with an opening similar to the investigated surface, is welded on to the pickup. The liquid reaches the diaphragm through this opening. Such pickups show a high degree of

Card 1/2

Highly Sensitive Pressure Pickups Made of Organic Glass

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sensitivity. The author used pickups with a diaphragm thickness of from 0.4 to 1mm for measuring pressure and pulsation in water turbine models. The pickup has linear characteristics and good sealing. Pressures up to 10 mm water column could be measured by means of a bifilar oscillograph of the type [7]-24 (ST-24) (without amplifier). There is 1 figure.

Card 2/2

STOPSKIY, S.b., legh.

Vibration of hydraulic turbine blades. Elek.sta. 31 no.7:17-20
J1 '60. (MIRA 13:8)

(Hydraulic turbines--Blades)

5/114/61/000/004/003/006 E194/E435

26.2120

Stopskiy, S.B., Candidate of Technical Sciences

AUTHOR:

Concerning Two Stages of the Critical Condition of

Cavitation

PERIODICAL: Energomashinostroyeniye, 1961, No.4, pp.21-22

Cavitation investigations made in recent years have shown that under most conditions a water turbine is subject to cavitation and its condition is often not what would be expected from cavitation tests on models. This difference has been suspected for a long time but there was no objective method of investigating cavitation on operating turbines and the conclusions were based on The cause was sought in inaccuracies of modelling wear or noise. Quite apart from the conditions of modelling of cavitation. cavitation there exists another equally important cause of error in the procedure of calculating transfer of cavitation from the model to the full-scale machine. This is the presence of two stages of development of cavitation which are not reflected in the cavitation characteristics. This article considers the causes of the formation of two-stages of cavitation and acoustic methods of Card 1/6

S/114/61/000/004/003/006 E194/E435

Concerning Two Stages of ...

detecting them. Cavitation effects in turbines are characterized by loss of power and efficiency, erosive wear, vibration and noise. These effects take place at different stages of cavitation, thus the efficiency falls off before there is appreciable vibration. It is usually considered that loss of efficiency or power is the most dangerous condition in water turbines. Until this occurs the machine operates quietly without vibration or noise. The cavitation conditions at which the efficiency characteristics alter is termed the critical condition of cavitation. The coefficient that governs this condition of cavitation is termed the critical cavitation coefficient and it is found by plotting curves of efficiency as function of cavitation coefficient. Fig.1 shows three typical curves of efficiency and referred speed as function of cavitation coefficient. obtained by the power method do not reveal the process of development of cavitation in the machine but only the initial change in efficiency. However, the top and bottom pairs of curves show the development of two stages of critical cavitation corresponding to two critical coefficients of cavitation, Card 2/6

7:14/61/000/004/003/006 E194/E435

Concerning Two Stages or ...

first stage corresponds to change of conditions of flow of liquid over the profiles which may even increase the efficiency, in the second stage the efficiency always falls. The value of the first critical coefficient cannot always be found by the energy method of determination. Stroboscopic observation through a transparent casing showed that there are machine conditions when cavitation is well developed but it is still not revealed by the energy method, Several theories have been offered to explain the nature of the two values of cavitation coefficient. It is supposed that the first stage of the critical condition of cavitation is associated with the appearance of cavities at individual points on the blade profile. The second stage corresponds to developed cavitation of the main flow and approaches loss of flow continuity. intensity of noise in a full-scale machine is much greater than in This means that in the full-scale machine the first cavitation coefficient sets in earlier than in the model and is more marked, This is confirmed by the cavitation curves plotted in Fig.2 for turbines of 1 and 0.25 m diameter. It is considered important to determine both stages of cavitation on turbine models even if they have no influence on the power characteristics of the Card 3/6

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Concerning Two Stages of ... E194/E435

An acoustic method of determining the critical machine, condition of cavitation is then described, The procedure has been described by the same author in an article in the journal Elektricheskiye Stantsii, 1957, No.8. It is based on the fact that the origination of cavitation is associated with the formation of vapour-gas bubbles which collapse and cause a noise. As cavitation develops, the intensity of pressure impulses increases, Experiments have shown that in water turbines and pumps cavitation bubbles begin to form at the same time as noise of ultrasonic frequency. The development of cavitation coincides with increase in the amplitude of ultrasonic vibrations measured on a frequency analyser. The bubbles are not only the source of sound but also form a sound absorbing medium through which the sound must pass. Absorption of the sound depends on the ratio of the dimensions of the bubbles to the wavelength of the sound and absorption is most marked if the sound frequency coincides with the natural frequency of the bubbles. When the critical condition of resonance occurs, there is a marked increase in the formation of vapour gas bubbles, the flow conditions and the efficiency are altered. This bubble evolution is very extensive Card 4/6

5/114/61/ece/ec4/653/666 5194/6455

Concerning Two Stages of ...

and the layer of bubbles strongly absorbs the sounds passing through it. Experiments have shown that if a narrow band of frequencies is separated from the total noise, preferably in the ultrasonic range, the drop of noise intensity beyond a certain continue corresponds to the critical condition of cevitation. Inis acoustical method is a sensitive means of determining the critical condition of cavitation even if it does not influence the power characteristics of the machine. It is concluded that the existing method of studying cavitation from the power characteristics does not reflect the relationship between the cavitation condition of the blades and the machine efficiency. This method only demonstrates the changes in efficiency caused by cavitation in the actual body of the flow. By the acoustics method two critical conditions of cavitation may be determined so giving fuller information about cavitation conditions. 4 figures and 5 Soviet references.

Card 5/6

STOPSKIY, S. B., kand. tekhn. nauk

Vibration and cavitation in hydraulic machines. Vest. mashinostr. 42 no.10:20-23 0 '62. (MIRA 15:10)

(Hydraulic machinery—Vibration)
(Cavitation)

Chvitation and pressure fluctuation in Aparaulic turbines. Eleke sta. 34 no.5133-36 My '63. (MIRA 1617)

(Hydraulic turbines)

STOPSKIY, Samuil Borisovich; EAL 'SON, M.R., red.; FOFOLEVA, Ye.:., tekhn. red.

[Analyzers of the spectra of sonic and subsonic frequencies for accustic spectrometry] Analizatory spektra zvukovykh i infrazvukovykh chastot dlia akusticheskoi spektroretrii. Moskva, Gosenergoizdat, 1962. 134 p. (MIRA 15:12) (Electroacoustics)

SAULO-STOP LOWA, Unlim; STOP Lin, Jozef

Evaluation of Middlebrock's method in detecting tubercle bacilli. Gruzlica 30 no.3:239-242 '62.

1. Z Kliniki Gruzlicy AM we Wrocławiu Kierowniki prof. dr med.
T. Garbinski i z Panstwowego Zespolu Sanatoriow Przeciwgruzliczych w Obornikach Słaskich Dyroktori dr med. W. Głodzik Kierownik laboratoriowi dr med. S. Wegrzynowska.

(TUBERCULOSIS diag) (HEMAGGLUTINATION)

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STOIYRA, Jozef; SZULC-STOPYROWA, Halina

Laboratory control of PAS self-treatment under sanatorial conditions. Gruzlica 31 no.7:809-812 163.

1. Z Panstwowego Zespolu Sanatoriow Przeciwgruzliczych w Obornikach Slaskich Dyrektor: dr med. W. Glodzik Kierownik laboratoriow: dr med. S. Wegrzynowska.

(AMINOSALICYLIC ACID)

STUPYRA, Leszek, dr. inz.; MOSKWA, Marian, mgr inz.; JASNIEWSKI, hyszard, mgr inz.

Testing hydraulic pumps and engines produced in Poland. Przegl mechan 21 no.23:724-729 10 D 162.

1. Wojskowa Akademia Techniczna, Warszawa.

MIKHAMSKI, Wiodzimierz; STOPYROWA, Janina

Some character during the course of renal dwarfism in a 14-year-old Soy. Polski tygod. lek. 14 no.30:1398-1402 27 July 59.

1. (Z Kliniki Chorob Dzieci A. M. w Krakowie; kierownik: prof. dr Tadeusz Gisa; ordynator Oddz. Obserw: prof. dr Wlodsimiers Mikulowski). (RICKSTS, REMAL, pathol.)

STAPINSKA, Janina; STOPYROWA, Janina; SZYBOWSKA, Maria

A case of corebral embolism in a 12-year-old girl with a congenital cardia: defect, Polski tygod. lek. 16 no.45:1747-1748 6 H '61.

1. Z Kliniki Dzieciecej A.M. w Krakowie; kierownik: prof. dr T. Gisa; ordynator Oddz. Obserw.: prof. dr Wl. Mikulowski.

(CEREBRAL EMBOLISM AND THROMBOSIS in inf & child)
(HEART DEFECTS CONGENITAL compl)

MIKUL MSKI, Wielzinierz; STOPY O'A, Jonine; MSDV J. Krystyna

Gigantism and approxegaly in a 6-year-old boy. Endokry. pol. 13 no.3:407-412 '60.

1. II Klinika Uharab Dziedi Ali w Krazowie Kierownik: doc. dr A.Gabala Cauzial Glaerwanyjny Ordynator: prof. dr. W. Mikulawski. (GIGANTISM inf & child) (ACCOMMGALY in inf & child)

GEBALA, Antoni; KUCHARSKA, Krystyna; STOPYROWA, Janine

Phosphatase deficiency in a 4-year-old boy with female chromatin sex. Pediat. pol. 37 no.4:405-414 Ap 162.

1. Z II Kliniki Chorob Dzieci AM w Krakowie p.o. Kierownik: doc. dr A. Gebala.

(PHOSPHATASES defie) (SEX DETERMINATION) (CHROMOSOMES)

MIKULOWSKI, Włodzimierz; STOPYROWA, J.

Cardiospasm with escphageal dilatation in a boy aged 7 1/2 years. Pol. tyg. lek. 17 no.30:1189-1190 23 J1 '62.

1. Z II Kliniki Chcrob Dzieciecych AM w Krakowie; kier. prof. dr Begusław Halikowski; ordynator Oddziału Obserwacyjnego; prof. dr Włodzmierz Mikulowski. (CARDIOSPASM) (ESOPHAGUS)

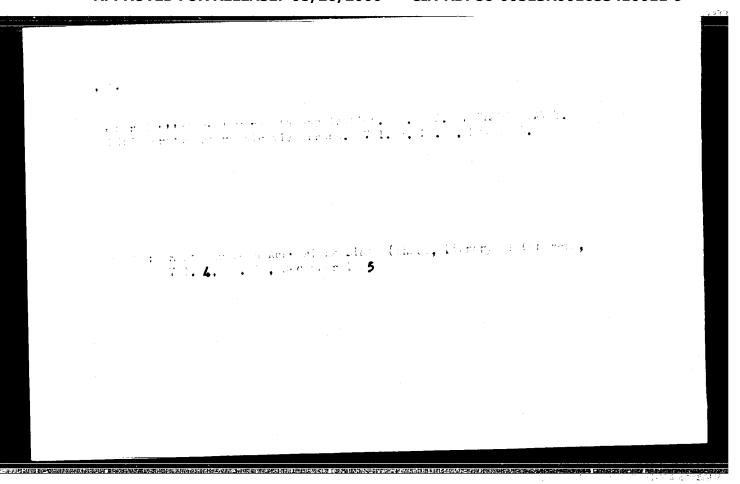
HALIKUWSKI, Boguslaw; oraz wspolpracownicy: EJSMONT, Leokadia; FULIYN. Halina; KUROWSKA-TAYLOR, Aleksandra; LEWANDOWSKA, Janina; STOPYROWA, Janina; WYSZKOWSKI, Jerzy

Clinical syndromes in changes of the extracellular osmolality and volemia associated with severe pneumonia in children. Pt.1. Pediat. Pol. 40 no.7:657-668 Jl 165.

1. Z II Kliniki Chorob Dzieci AM w Krakowie (Kierownik: prof. dr. med. B. Halikowski).

Lifting heavy pures of harvers and cresses althout the use of crones. t. 136. ENERGITER. (Ministerative pully a energiative. Hlavei aprove elektraren) Proba. Vol. 5, no. 5, May 1955

SC NCR: East European Accessions Li *, (HEAL), Library of Congress, Vol. 4, No. 12, December 19 5



STORCH, GTAKAR

Prumyslova odlucovaci zarizeni. (Vyd. 1.) Fraha, Statni nakl. technicke literatury, 1957. 322 p. (Industrial separators and dust collectors. 1st ed. illus., bibl., diagrs., graphs, index, tables)

SO: Monthly Index of East European Acessions (RFAI) Vol. 6, No. 11 November 1957

STORCH, O.

Highly effective oil-fog separators of air pressure. p. 123

ZDPAVOTNI TECHNIKA A VZDUCHCTECHNIKA. Praha, Czechoslovakia, Vol. 2, no. 3, 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959 Uncl.

PARTAN. Bohnslav, akademik, laureat statni ceny; KAUT, Vl., inz.; SVCECOVA, S., MEDr.; TUSL, M., HEDr., C.Sc.; RAHA. Jan.; MATERIA, Jan, inz.; KLIMECEK, Rostislav; BETTELHEIM, Jan, inz.; HALA, Eduard, doc., inz., dr.; UHEH, L., inz.; KOMDIK, E.; ERDOS, Emerich, doc., inz., dr.; VOSOISONE, Jan, doc., inz., dr.; NADENIK, O., inz.; HHUDKA. J.; HOSTALEK, Zdenek, inz., dr.; RADL. K., inz.; PEKAREK, Vl., MEDr.; BLISTAN, J., inz.; STORCH. O. inz.

A national conference on protection against chemical fumes from electric heat plants; a sumary of reports. Energetika Cz 11 no.2:109-111 F **161.

STORCH, Otakar, inz.

"Artificial draughts and flyash removal in boiler rooms" by [inz.] Emil Martinec. Reviewed by Otakar Storch. Stroj vyr 11 no.3:167 Mr 163.